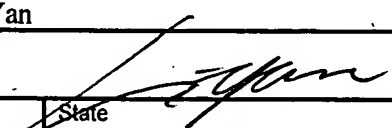


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## DECLARATION — Utility or Design Patent Application

Direct all correspondence to: <input type="checkbox"/> Customer Number: <span style="border: 1px solid black; display: inline-block; width: 100px; height: 1.2em; vertical-align: middle;"></span> OR <input checked="" type="checkbox"/> Correspondence address below			
Name Kirk A. Cesari, Seagate Technology LLC			
Address 1280 Disc Drive			
City Shakopee		State MN	ZIP 55379
Country	Telephone 1-952-402-3534	Fax 1-952-402-2657	
I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C. 1001 and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.			
NAME OF SOLE OR FIRST INVENTOR:		<input type="checkbox"/> A petition has been filed for this unsigned inventor	
Given Name (first and middle (if any)) Nan-Hsiung		Family Name or Surname Yeh	
Inventor's Signature			Date
Residence: City Foster City	State CA	Country US	Citizenship US
Mailing Address 612 Somerset Lane			
City Foster City	State CA	ZIP	Country US
NAME OF SECOND INVENTOR:		<input type="checkbox"/> A petition has been filed for this unsigned inventor	
Given Name (first and middle (if any)) Yan		Family Name or Surname Li	
Inventor's Signature 			Date 03/02/2004
Residence: City Tucson	State AZ	Country US	Citizenship PR China
Mailing Address 3647 E. 2nd ST # L			
City Tucson	State AZ	ZIP 85716	Country US
<input checked="" type="checkbox"/> Additional inventors or a legal representative are being named on the <u>1</u> supplemental sheet(s) PTO/SB/02A or 02LR attached hereto.			

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

<b>DECLARATION FOR UTILITY OR DESIGN PATENT APPLICATION</b> <b>(37 CFR 1.63)</b>		Attorney Docket Number	STL11732
		First Named Inventor	Nan-Hsiung Yeh et al
		COMPLETE IF KNOWN	
		Application Number	
		Filing Date	March 12, 2004
<input checked="" type="checkbox"/> Declaration Submitted With Initial Filing         OR <input type="checkbox"/> Declaration Submitted after Initial Filing (surcharge (37 CFR 1.16 (e)) required)		Art Unit	
		Examiner Name	

I hereby declare that:

Each inventor's residence, mailing address, and citizenship are as stated below next to their name.

I believe the inventor(s) named below to be the original and first inventor(s) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

Cyclic Redundancy Check Based Message Passing In Turbo Product Code Decoding

(Title of the Invention)

the specification of which

☒ is attached hereto

OR

☐ was filed on (MM/DD/YYYY) [ ] as United States Application Number or PCT International

Application Number [ ] and was amended on (MM/DD/YYYY) [ ] (if applicable).

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment specifically referred to above.

I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR 1.56, including for continuation-in-part applications, material information which became available between the filing date of the prior application and the national or PCT international filing date of the continuation-in-part application.

I hereby claim foreign priority benefits under 35 U.S.C. 119(a)-(d) or (f), or 365(b) of any foreign application(s) for patent, inventor's or plant breeder's rights certificate(s), or 365(a) of any PCT international application which designated at least one country other than the United States of America, listed below and have also identified below, by checking the box, any foreign application for patent, inventor's or plant breeder's rights certificate(s), or any PCT international application having a filing date before that of the application on which priority is claimed.

Prior Foreign Application Number(s)	Country	Foreign Filing Date (MM/DD/YYYY)	Priority Not Claimed	Certified Copy Attached?	
				Yes	No
			<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

☐ Additional foreign application numbers are listed on a supplemental priority data sheet PTO/SB/02B attached hereto.

[Page 1 of 2]

This collection of information is required by 35 U.S.C. 115 and 37 CFR 1.63. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 21 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

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## DECLARATION — Utility or Design Patent Application

Direct all correspondence to: ☐ Customer Number:  OR ☒ Correspondence address below

Name

Kirk A. Cesari, Seagate Technology LLC

Address

1280 Disc Drive

City

Shakopee

State

MN

ZIP

55379

Country

Telephone

1-952-402-3534

Fax

1-952-402-2657

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C. 1001 and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

NAME OF SOLE OR FIRST INVENTOR:

☐ A petition has been filed for this unsigned inventor

Given Name

(first and middle [if any])

Nan-Hsiung

Family Name

or Surname

Yeh

Inventor's  
Signature

Date

3/1/2004

Residence: City

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State

CA

Country

US

Citizenship

US

Mailing Address

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State

CA

ZIP

Country

US

NAME OF SECOND INVENTOR:

☐ A petition has been filed for this unsigned inventor

Given Name

(first and middle [if any])

Yan

Family Name

or Surname

Li

Inventor's  
Signature

Date

Residence: City

Tucson

State

AZ

Country

US

Citizenship

PR China

Mailing Address

3647 E. 2nd St.# L

City

Tucson

State

AZ

ZIP

85716

Country

US

☒ Additional inventors or a legal representative are being named on the 1 supplemental sheet(s) PTO/SB/02A or 02LR attached hereto.

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Inventor(s):	Nan-Hsiung Yeh et al		
Serial No.:		Examiner:	
Filed:	March 12, 2004	Group Art Unit:	
Title:	Cyclic Redundancy Check Based Posterior Message Passing In Turbo Product Code Decoding		
Docket:	STL11732		

**POWER OF ATTORNEY BY ASSIGNEE OF ENTIRE INTEREST  
(REVOCATION OF PRIOR POWERS)**

As assignee of record of the entire interest of the above identified application,  
REVOCATION OF PRIOR POWERS OF ATTORNEY

all powers of attorney previously given are hereby revoked and

**NEW POWER OF ATTORNEY**

the following practitioners/patent agent are hereby appointed to prosecute and transact all business in the Patent and Trademark Office connected therewith.

Derek J. Berger, Registration No. 45,401	Raghunath S. Minisandram, Registration No. 38,683
Kirk A. Cesari, Registration No. 47,479	Carol I. Bordas, Registration No. 37,284
Paul T. Dietz, Registration No. 38,858	Jennifer M. Buenzow, Registration No. 50,124
David K. Lucente, Registration No. 36,202	Joseph F. Villella, Jr., Registration No. 30,599
Jesus Del Castillo, Registration No. 51,604	Brendan Hanley, Registration No. 52,429

**CHANGE OF ATTORNEY'S/AGENT'S ADDRESS IN APPLICATION**

Kirk A. Cesari  
Seagate Technology LLC  
Intellectual Property Dept. - SHK2LG  
1280 Disc Drive  
Shakopee, MN 55379-1863  
(952) 402-3534 (telephone)  
(952) 402-2657 (facsimile)

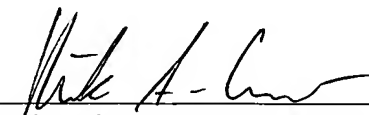
**STATEMENT UNDER 37 CFR 3.73(b)**

Seagate Technology LLC states that it is the Assignee of Entire Interest in the patent application/patent identified above by virtue of an Assignment from the inventor(s) of the patent application/patent identified above. A copy of the Assignment is attached and/or was recorded in the Patent and Trademark Office at Reel , Frame . The undersigned (whose title is supplied below) is empowered to sign this statement on behalf of the Assignee.

Respectfully submitted,

SEAGATE TECHNOLOGY LLC  
(Assignee of Entire Interest)

3-12-04  
Date

  
Kirk A. Cesari, Reg. No. 47,479  
Patent Agent  
SEAGATE TECHNOLOGY LLC  
Intellectual Property Dept. - SHK2LG  
1280 Disc Drive  
Shakopee, MN 55379-1863  
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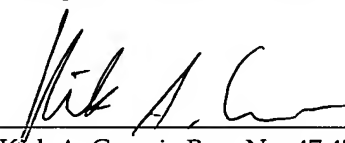
- ☐ 37 C.F.R. §1.97(e) Choose either Statement:
- ☐ Each item of information contained in the IDS was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three (3) months prior to the filing; or
- ☐ No item of information contained in the IDS was cited in a communication from a foreign patent office in the counterpart foreign application, and to my knowledge no item of information contained in the IDS was known to any individual designated in §1.56(c) more than three (3) months prior to the filing of this IDS.

Consideration of the listed items is respectfully requested.

Respectfully submitted,

SEAGATE TECHNOLOGY LLC  
(Assignee of Entire Interest)

3-12-04  
Date

  
Kirk A. Cesari, Reg. No. 47,479  
SEAGATE TECHNOLOGY LLC  
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